Figure 1

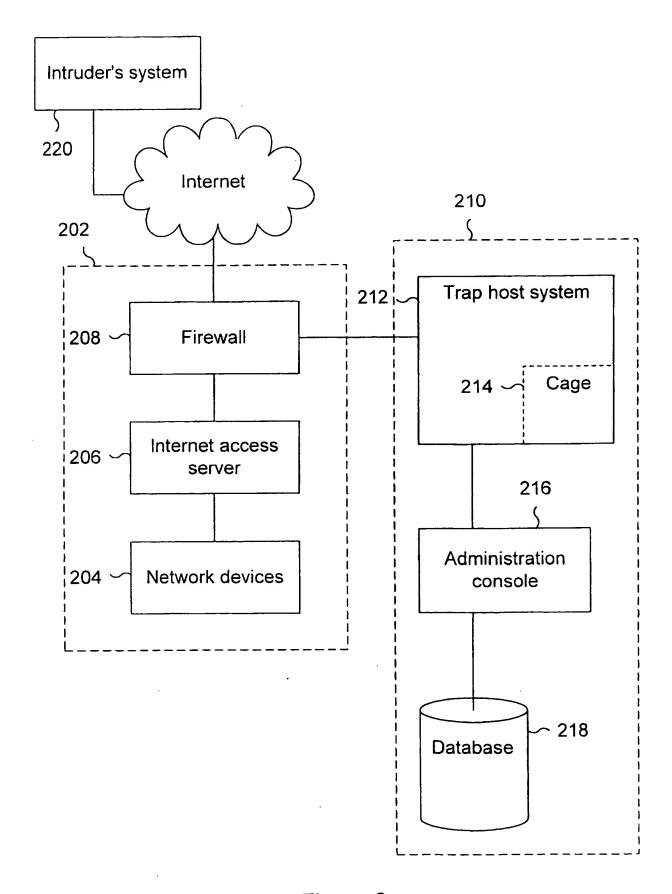


Figure 2

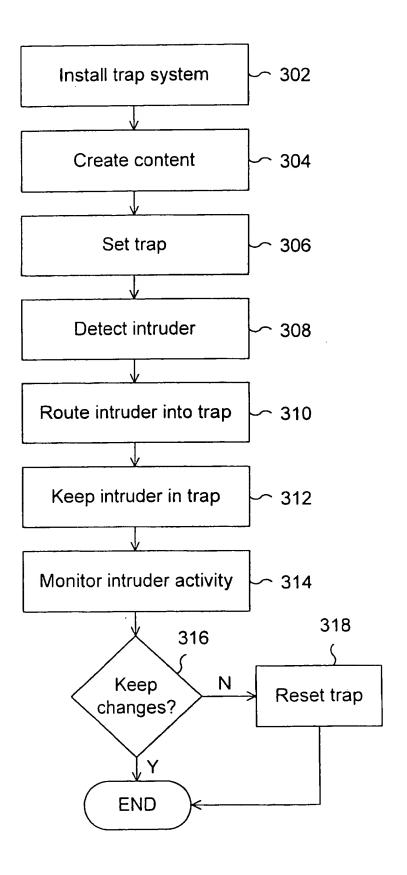


Figure 3

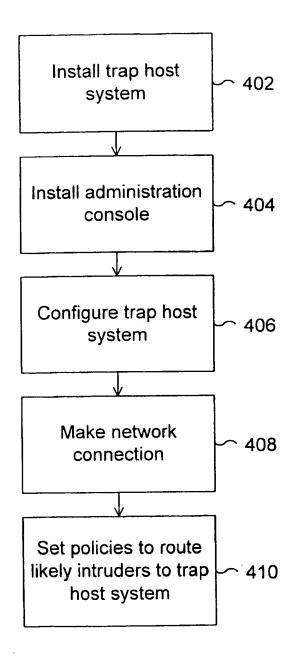
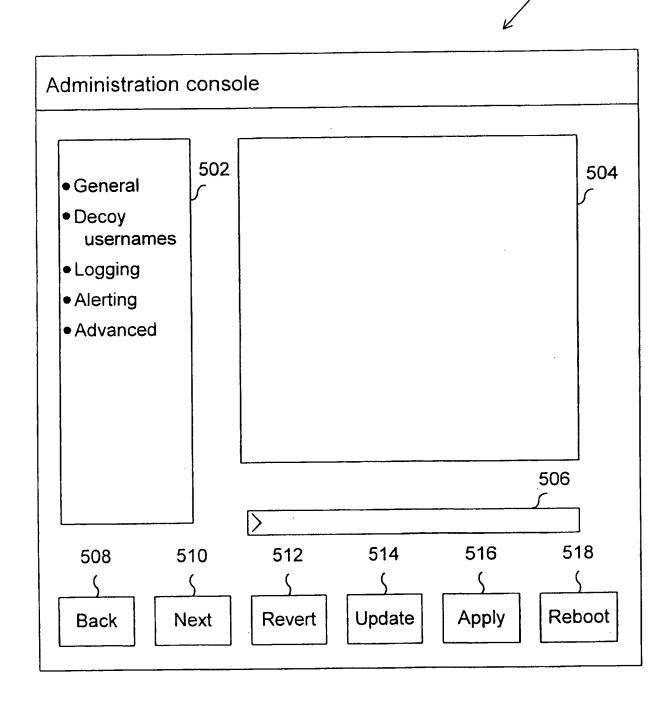


Figure 4



500

Figure 5

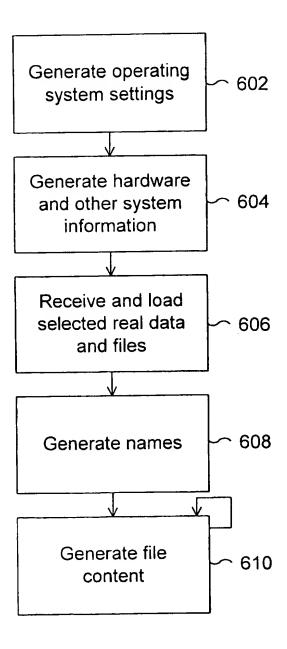
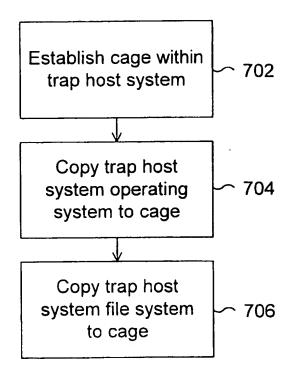


Figure 6



國題 Telnet - 10.0.0.101	Me X
Connect Edit Terminal Help	
·	
0 00 57	
Sun0S 5.7	
NOTICE TO USERS	
Use of this system constitutes consent to security monitoring and to By using this system, the user consents to any interception, monitoring, copying, auditing, inspection, or disclosure at the descret of authorized site or corporate personnel.	oring,
Unauthorized or improper use of this system may result in administ disciplinary action and civil and criminal penalties. By continuing to system you indicate your awareness of and consent to these terms conditions of use. LOG OFF IMMEDIATELY if you do not agree to conditions stated in the warning.	use this and
login:	

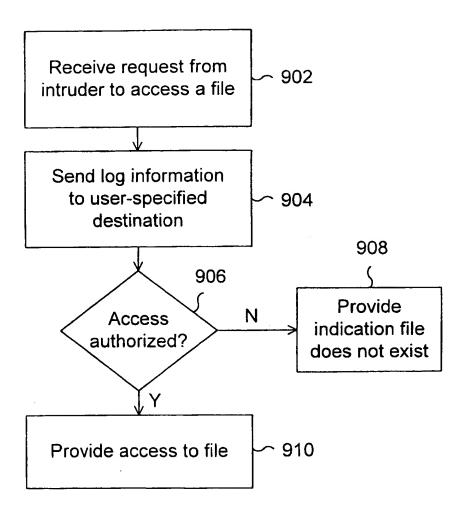


Figure 9

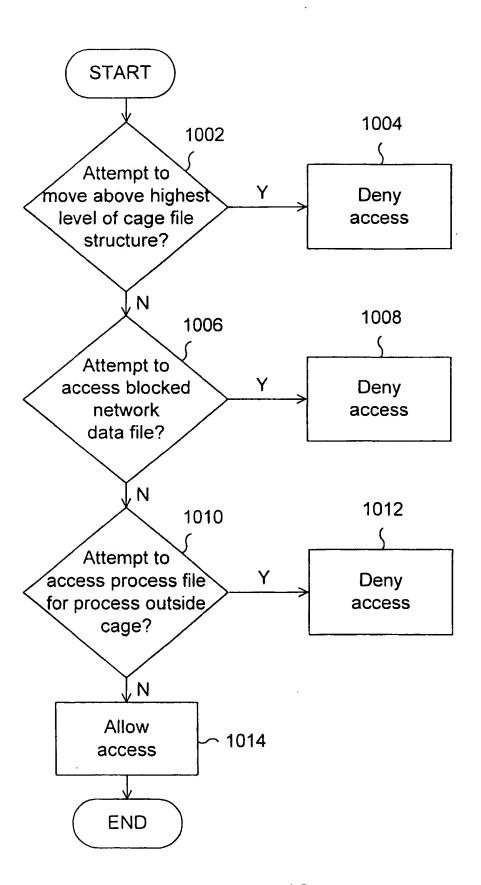


Figure 10

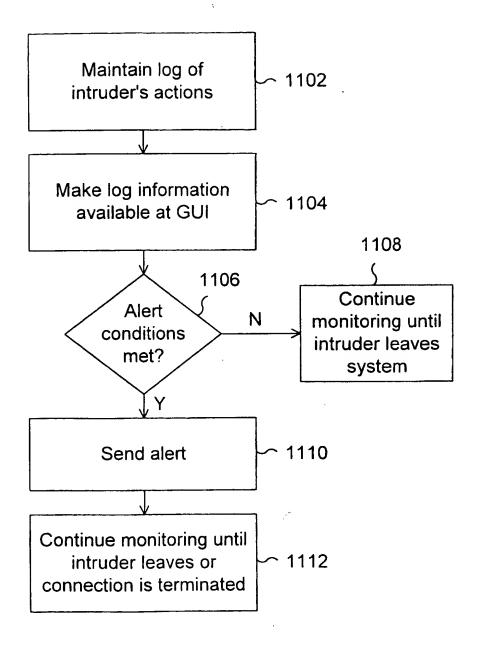
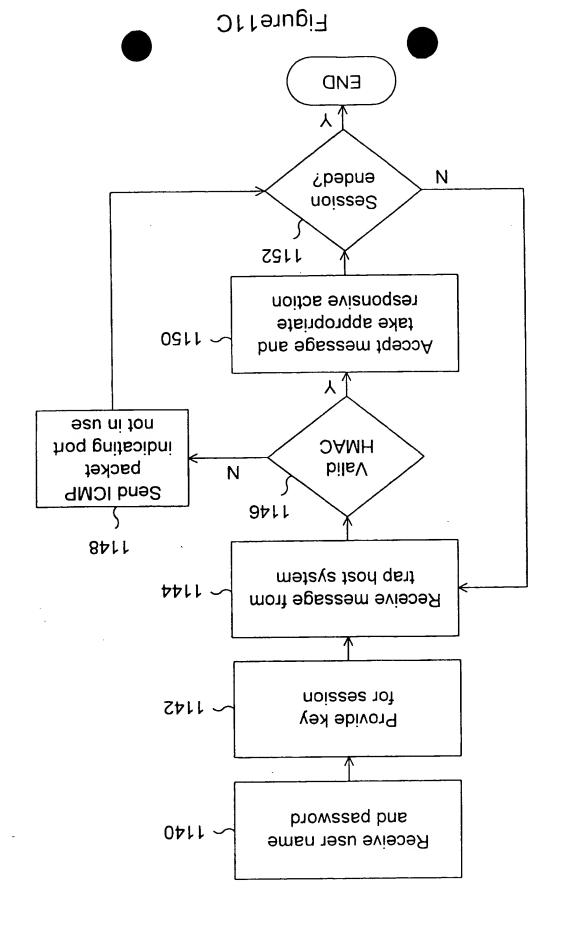


Figure11A



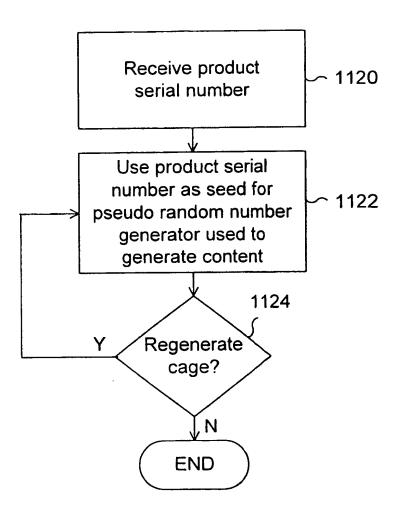


Figure 11B

Figure 12

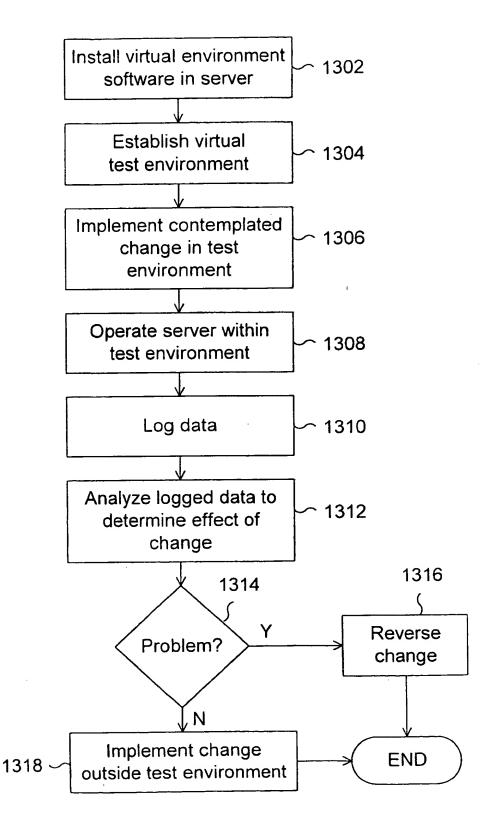


Figure 13

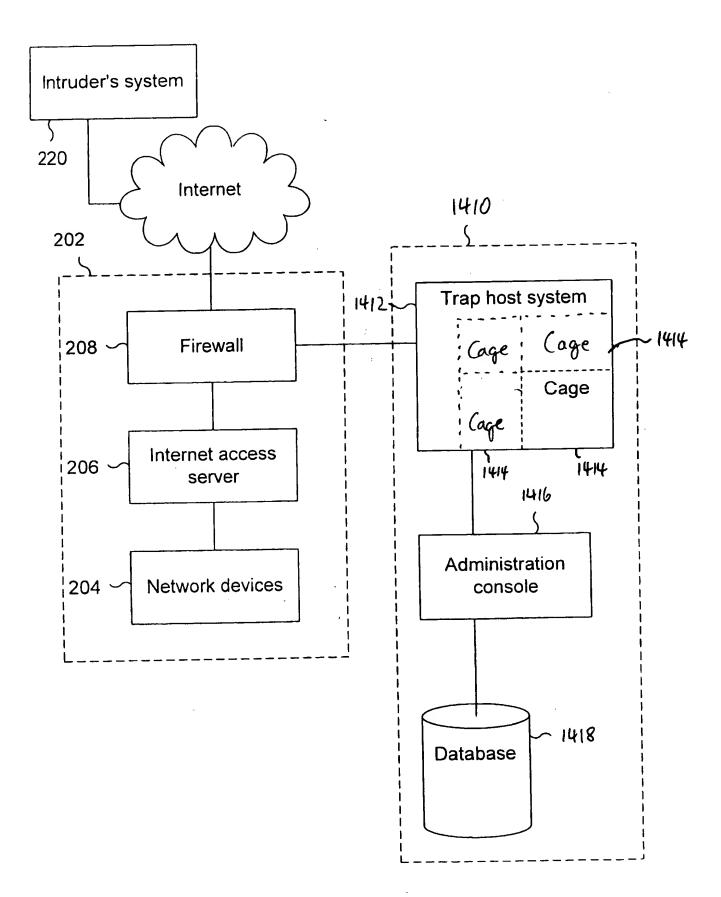


Figure 14

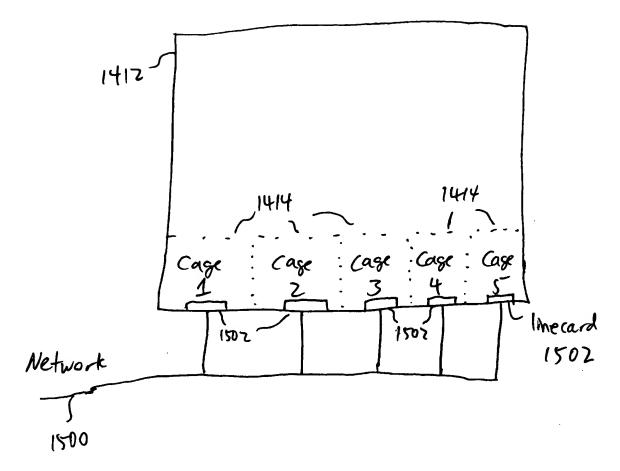


Figure 15

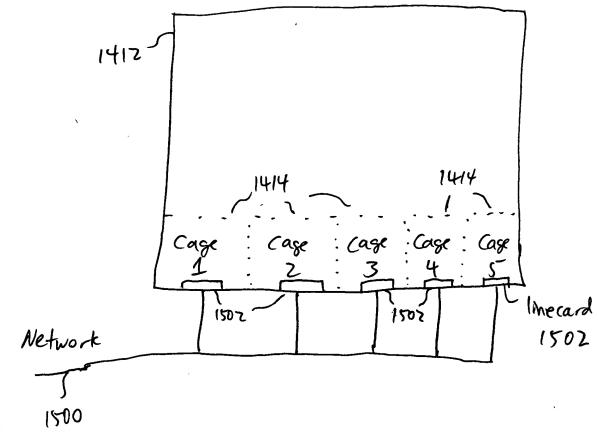
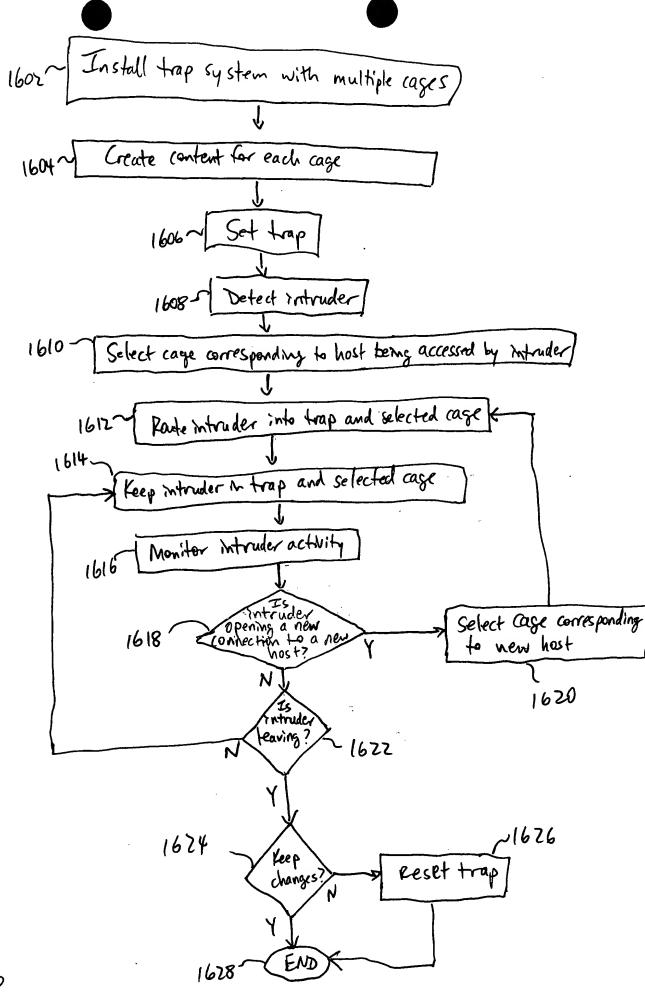


Figure 15



FIERE 16

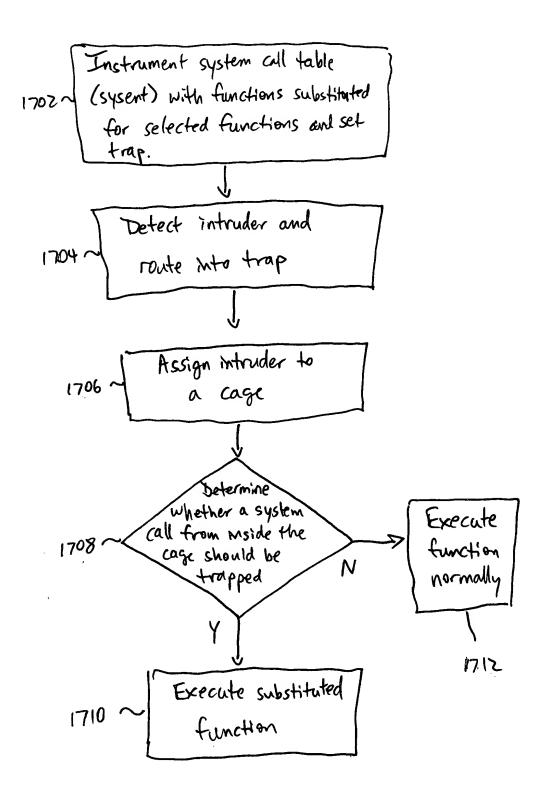


Figure 17

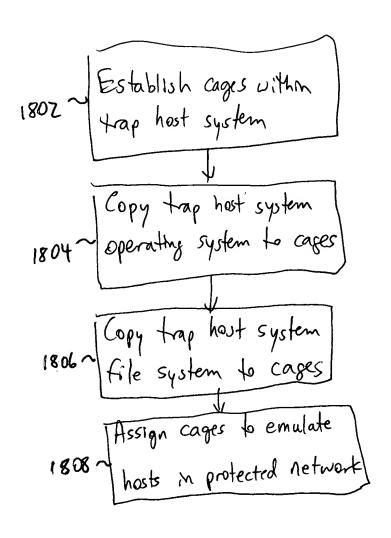


Figure 18

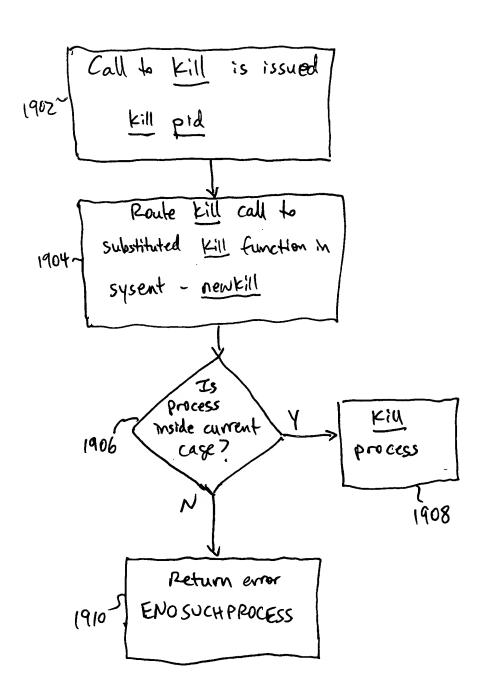


Figure 19

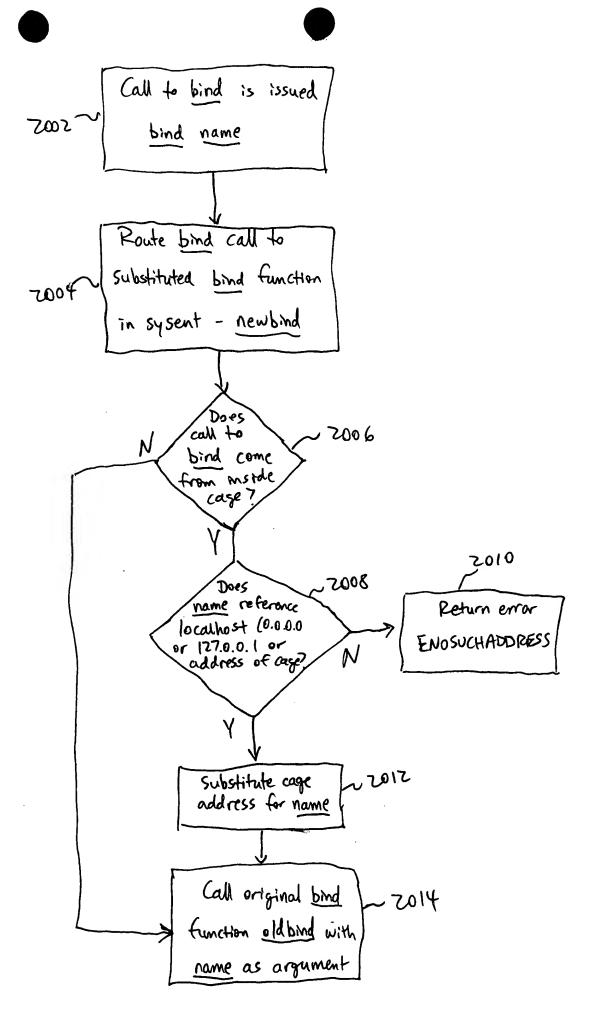


Figure 20

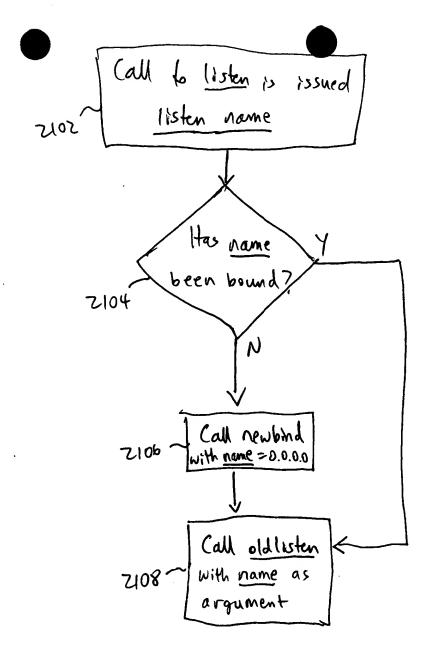


Figure 21

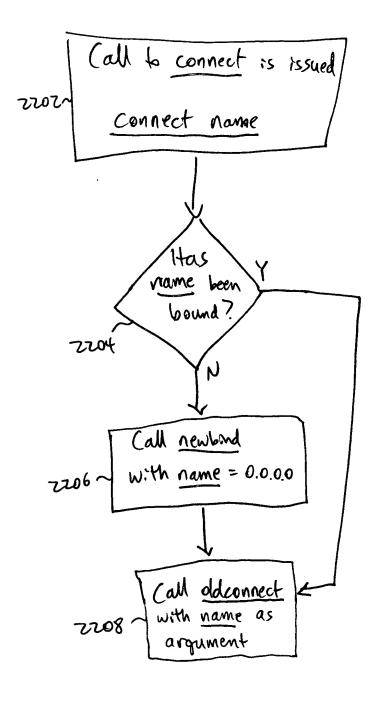


Figure 22

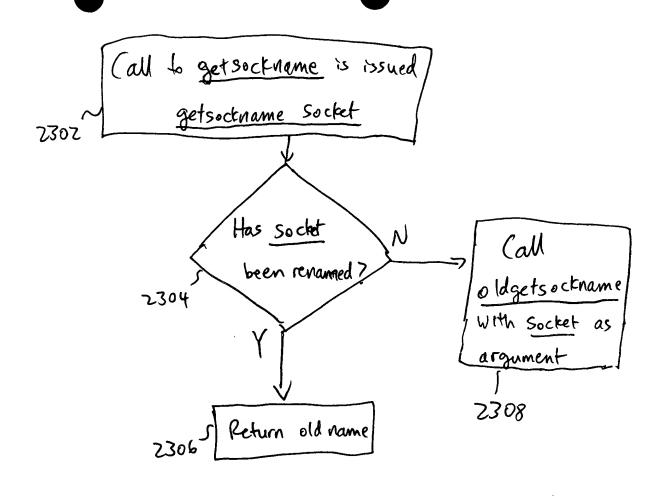
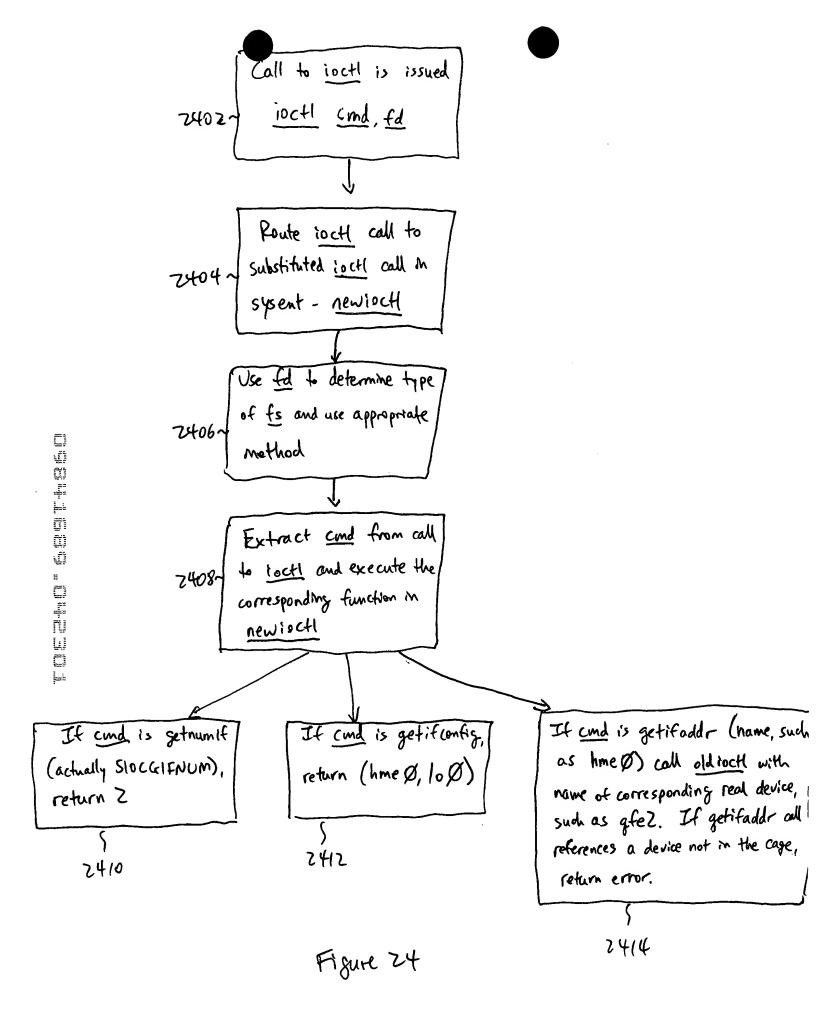


Figure 23



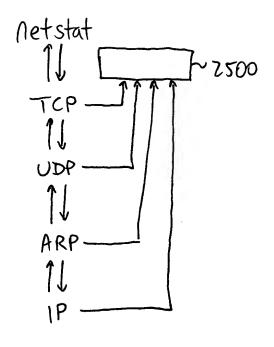


Figure 75

```
<doc>
<regexp-query>
     <name>Possible SGID Exploit
     cproperties>
           <priority>10</priority>
     </properties>
     <pattern>
           <next>
           <line>.*exec args=.*pid=\((\\d+\)); ppid=\(\\d+\); uid=\(\\d+\); euid=
(d+); gid=([1-9]d*); egid=(0).*</line>
           </next>
           <line>.*args=\([\-\w\\\/ ]+\); pid=\(\d+\); ppid=\(%1%\).*</line>
           </next>
     </pattern>
     cmatch>
           <actionpair>
                 <line>.*args=\(([\-\w\\\/ ]+)\).*ppid=\(%1%\).*</line>
                 <action>
                       <highlight/>
                       <delete/>
                       <varop var="agg">%1%</varop>
                 </action>
           </actionpair>
     </procmatch>
     <annotation>
           <text>Possible SGID Exploit: %agg%</text>
     </annotation>
</regexp-query>
</doc>
```

Figure 26

```
<doc>
     <regexp-query>
     <name>Possible SUID Exploit
     cproperties>
           <priority>10< /priority>
     </properties>
     <pattern>
           <next>
           <line>.*exec args=.*pid=\((\\d+\)); ppid=\(\\d+\); uid=\([1-9]\\d*\);
euid=\(0\).*</line>
           </next>
           <next>
           <line>.*args=\(.+\); pid=\(\d+\); ppid=\(%1%\).*</line>
           </next>
     </pattern>
     cmatch>
           <actionpair>
                 <line>.*args=\(.+)\); pid=\(\d+\); ppid=\(%1%\).*</line>
                 <action>
                       <highlight/>
                       <delete/>
                       <varop var="agg">%1%</varop>
                 </action>
     <annotation>
           <text>Possible SUID Exploit: %agg%</text>
     </annotation>
</regexp-query>
</doc>
```

Figure 27

```
<doc>
<regexp-query>
     <name>All Processes</name>
     properties>
           <priority>10</priority>
     </properties>
     <pattern>
            <next>
           <line>.*proclog.*args=\(([\-\.\w\\\/ ]+)\).*</line>
     </pattern>
     cmatch>
           <actionpair>
                 <line>.*args=\(([\-\.\w\\\/ ]+)\).*</line>
                  <action>
                        <highlight/>
                        <delete/>
                       <varop var="agg">%1%</varop>
                  </action>
           </actionpair>
     </procmatch>
     <annotation>
           <text>Process started: %agg%</text>
     </annotation>
</regexp-query>
</doc>
```

Figure 28

```
<doc>
<regexp-query>
      <name>Find Processes...</name>
      cproperties>
             <priority>10</priority>
      </properties>
      <args>
             <args>.+</args>
             < pid > d + < / pid >
             <ppid>\d+</ppid>
             <uid>\d+</uid>
             <euid>\d+</euid>
             \langle gid \rangle \langle d+\langle /gid \rangle
             <egid>\d+</egid>
      </args>
      <pattern>
             <next>
             <line>.*args=\(%args%\); pid=\(%pid%\); ppid=\(%ppid%\);
uid=\(%uid\%\); euid=\(%euid\%\); gid=\(%gid\%\); egid=\(%egid\%\).*</line>
             </next>
      </pattern>
      cmatch>
             <actionpair>
                   <line>.*args=\((.+)`\); pid.*</line>
                   <action>
                          <highlight/>
                          <delete/>
                          <varop var="agg">%1%</varop>
                   </action>
             </actionpair>
      </procmatch>
      <annotation>
             <text>Process started: %agg%</text>
      </annotation>
</regexp-query>
</doc>
```

```
<doc>
<regexp-query>
      <name>All Shell-spawned Processes</name>
      cproperties>
            <priority>l0</priority>
      </properties>
      <pattern>
            <next>
            <line>.*exec args=\(-sh\); pid=\((\\d+)\).*</line>
            </next>
            <next>
            <line>.*args=\(([\-\w\\\/ ]+)\).*ppid=\(%l%\).*</line>
      </pattern>
      cmatch>
            <actionpair>
                  <line>.*args=\(([\-\w\\\/ ]+)\).*ppid=\(%l%\).*</line>
                  <action>
                        <highlight/>
                        <varop var="agg">%1%</varop>
                  </action>
            </actionpair>
      </procmatch>
      <annotation>
            <text>Executed from a shell: %agg%</text>
      </annotation>
</regexp-query>
</doc>
```

Figure 30

```
<doc>
<regexp-query>
      <name>Incoming Connections</name>
      properties>
            <priority>10</priority>
      </properties>
      <pattern>
            <next>
           <line>.*incoming connection from=\(.+\).*</line>
            </next>
      </pattern>
      cmatch>
           <actionpair>
                 <line>.*incoming connection from=\((.+):(.+)\)
to=\((.+):(.+)\).*</line>
                 <action>
                       <highlight/>
                       <delete/>
                       <varop var= "fromip">%1%</varop>
                       <varop var= "fromport">%2%</varop>
                       <varop var= "toip">%3%</varop>
                       <varop var= "toport">%4%</varop>
                 </action>
           </actionpair>
     <annotation>
           <text>Incoming Connection From IP: %fromip% (on port: %fromport%) To
IP: %toip% (on port: %toport%)</text>
     </annotation>
</regexp-query>
</doc>
```

```
<doc>
<regexp-query>
     <name>Keystrokes Entered</name>
     cproperties>
           <priority>10</priority>
     </properties>
     <pattern>
           <line>.*read stream data, id=\((\\d+)\) data=\(.+\).*</line>
           </next>
           <next fromprev="1">
           <line>.*read stream data, id=\(%1%\) data=\(.*\\0[ad4].*\).*</line>
     </pattern>
     cmatch>
           <actionpair>
                 <line>.*read stream data, id=\(%1%\) data=\((.+)\).*</line>
                  <action>
                        <highlight/>
                        <delete/>
                        <varop var="agg">%1%</varop>
                  </action>
            </actionpair>
      <annotation>
            <text>Keystrokes Entered: %agg%</text>
      </annotation>
</regexp-query>
</doc>
```

```
<doc>
<regexp-query>
      <name>Find Monitored</name>
      properties>
            <priority>10</priority>
      </properties>
      <args>
            <file_name>.+</file_name>
            < pid > \sqrt{d} + < /pid >
      </args>
      <pattern>
            <line>.*monitored file opened name=\(%file_name%\)
pid=\(%pid%\).*</line>
            </next>
      </pattern>
      cmatch>
            <actionpair>
                   <line>.*monitored file opened name=\((.+)\)
pid=\((.+)\).*</line>
                   <action>
                         <highlight/>
                         <delete/>
                         <varop var="filename">%l%</varop>
                         <varop var="pidvar">%2%</varop>
                   </action>
            </actionpair>
      </procmatch>
      <annotation>
            <text>File Opened: %filename% (from pid: %pidvar%)</text>
      </annotation>
</regexp-query>
</doc>
```